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2,642,765

TEMPLET BENDING JIG

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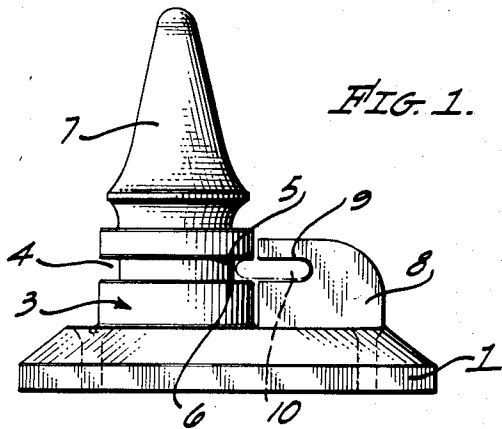


FIG. 1.

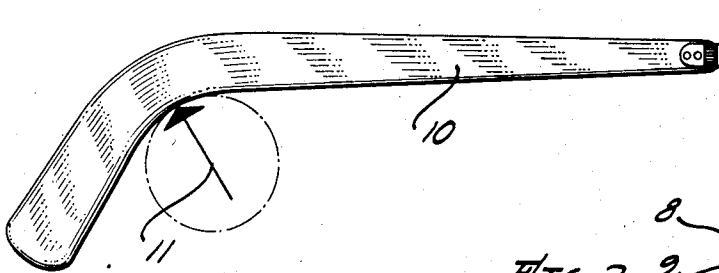


FIG. 4.

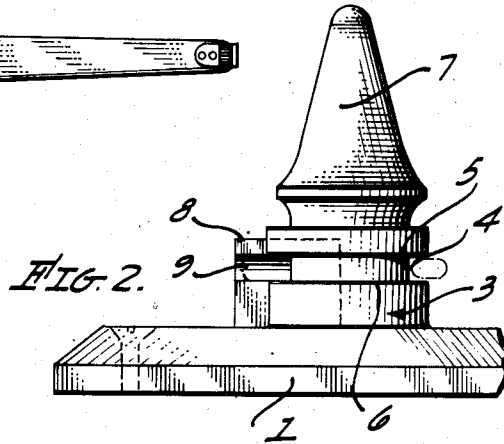


FIG. 2.

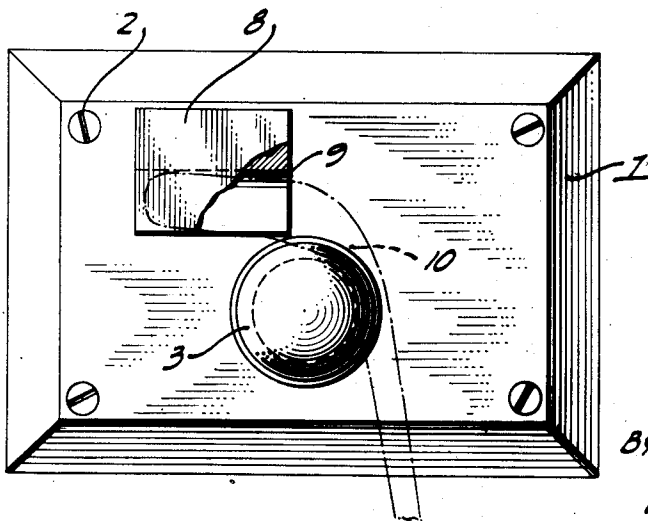


FIG. 3.

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TEMPLET BENDING JIG

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2 Claims. (Cl. 81-3.5)

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This invention relates to a jig which is used for the purpose of bending eye glass templets, and particularly those templets which are made of plastic and require heating in order to properly bend them into desired shape.

An object of our invention is to provide a novel templet bending jig which can be attached to a bench and which will effectively hold the templet so that it can be bent by the operator while the templet is still hot.

Another object of our invention is to provide a novel templet bending jig which will hold the templet so that the rear thereof can be curved downwardly, and also so that the templet can be bent either inwardly or outwardly as desired.

A feature of our invention resides in the novel arrangement of appropriate grooves in the jig which will receive the plastic templet and will effectively hold the same so that it can be bent by the operator.

Other objects, advantages and features of our invention may appear from the accompanying drawing, the subjoined detailed description and the appended claims.

In the drawing:

Figure 1 is a front elevation of our templet bending jig.

Figure 2 is a side elevation of the same.

Figure 3 is a top plan view of the same.

Figure 4 is a side view of a templet of the type which is operated upon in our jig.

Referring more particularly to the drawing, the numeral 1 indicates a base, substantially rectangular in shape, and which may be fixedly attached to a bench by means of a plurality of screws 2. A spool 3 is fixedly attached to the top surface of the base 1 and extends upwardly at right angles to this base, substantially as shown. An annular groove 4 is formed in the spool 3 and this groove is spaced above the top surface of the base 1. The groove 4 in the spool 3 thus forms an upper shoulder 5, and a bottom shoulder 6. These shoulders are used as fulcrums to bend the templet either upwardly or downwardly, as will be subsequently described.

The upper portion of the spool 3 is conical in shape, as shown at 7, and this cone is used to shape and bend the nose piece of an eye glass and also where the eye glass frame is formed of plastic. A block 8, substantially rectangular in shape, is fixedly attached to the top surface of the base 1 and the inner edge of this block is positioned substantially tangent to the periphery of the spool 3, as shown in Figure 3. A horizontal groove 9 extends through the block 8, and this groove is on substantially the same horizontal plane as the groove 4.

The templet 10 of the type which is formed of plastic, must frequently be bent to fit the head of the wearer, and it is then necessary to

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bend this templet in an arch, as shown at 11 in Figure 4. To accomplish this, the templet is heated and is then placed in the grooves 4, 9, and with the inner end of the templet bearing against the block 8, as shown in Figure 3. The groove 11 is then bearing against the inner face of the groove 4 and pressure on the outer end of the templet will permit it to be bent the desired amount. At the same time, the operator can either pull the templet upwardly against the shoulder 5, or push it downwardly against the shoulder 6, thus bending the inner end of the templet either inwardly or outwardly.

With our arrangement, it is not necessary that the operator touch the hot end of the templet which is the end to be bent, and, consequently, the bending can be made very accurately and with greater smoothness than was heretofore possible.

Having described our invention, we claim:

1. A templet bending jig comprising a base, a spool rising vertically from said base and fixedly mounted thereon, said spool having an annular horizontal groove therein, a block fixedly mounted on the base adjacent said spool, said block having a horizontal groove therein in the side adjacent said spool and in alignment with the groove in the spool, the edge of said block adjacent the spool being substantially tangent to the periphery of the spool and said block being eccentrically positioned relative to the vertical center line of said spool.

2. A templet bending jig comprising a base, a spool rising vertically from the base and fixedly mounted thereon, said spool having an annular horizontal groove therein spaced above the base, said groove forming upper and lower shoulders on the spool, a rectangular block fixedly mounted on the base and rising therefrom, said block being positioned adjacent the spool, said block having a horizontal groove therein in the side adjacent the spool, said groove in the block being in substantial alignment with the groove in the spool, one edge of said block being positioned substantially tangent to the periphery of the spool and the entire block being eccentric to the vertical center line of said spool.

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